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	Application No.	Applicant(s)
Notice of Allowability	09/845,950	WANG ET AL.
Notice of Allowability	Examiner	Art Unit
	Cicely Ware	2634
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included n will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>amendment filed on 2</u>	24 September 2004.	
2. The allowed claim(s) is/are <u>1-48</u> .		
3. \boxtimes The drawings filed on <u>24 September 2004</u> are accepted by	the Examiner.	
 4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawi he header according to 37 CFR 1.121(ngs in the front (not the back) of d).
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL	must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	6. ☐ Interview Summary Paper No./Mail Da	ite .
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Statements.	ent of Reasons for Allowance

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REASONS FOR ALLOWANCE

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1. The following is an examiner's statement of reasons for allowance: The instant application discloses a method of recovering information encoded in a spread spectrum signal transmitted in a communications medium. Prior art references show similar methods (Wang et al. US Patent 6,125,137 and Cahn et al. US Patent 6,198,765) but fail to teach: "a method of recovering information encoded in a spread spectrum signal transmitted in a communications medium, the method comprising, receiving at least one multipath version of a composite signal including the spread spectrum signal from the communications medium; selecting a set of time-offsets; correlating the composite signal with a spreading sequence at each of the time-offsets in the set of time-offsets to produce a first set of time-offset correlations of the composite signal with the spreading sequence; correlating the composite signal with a traffic spreading sequence at each of the time-offsets in the selected subset of the time-offsets to produce a plurality of traffic correlations; combining the plurality of traffic correlations using a weighted combination to estimate information encoded in the transmitted spread spectrum signal", by using "estimating noise correlation among the time-offset correlations to produce noise correlation estimates; selecting a subset of the time-offsets from the set of timeoffsets based on the noise correlation estimates", as in claims 1, 25, 28 and 36. Cahn et al. however discloses a noise correlation estimation based on the time of arrival of multipath signals, as early and late correlations. "a noise correlation estimation circuit that estimates noise correlation", as in claims 30 and 43.

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047. The examiner can normally be reached on Monday – Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Cicely Ware

cqw February 22, 2005 AMANDAT.LE PRIMARY EXAMINER